

## ★ Storage

Store at -20°C.

Stable 3 months at 2-8°C.

## ✎ Contents

- Product Manual
- iVDye 100bp DNA ladder, composed of proprietary plasmids are digested to completion with appropriate restriction enzymes in 10mM Tris-HCl (pH7.5 at 25 °C), 10mM EDTA, 5% Glycerol, 1.66% Sucrose, 0.01% Xylene cyanol FF, 0.01% Cresol Red, 0.013% Bromophenolblue, 0.05% Orange G

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

## ★ Shipping Condition

Ship with ice pack.

## ★ Introduction

The iVDye 100bp DNA ladder is a premixed, ready-to-use molecular weight marker containing 4 dyes which serve as visual aids to monitor the progress of migration during agarose gel electrophoresis. The 100bp DNA ladder consists of proprietary plasmids are digested to completion with appropriate restriction enzymes to yield 12 bands suitable for use as molecular weight standards for agarose gel electrophoresis. The digested DNA includes fragments ranging from 100-1,517 base pairs. The 500 and 1,000 base pair bands have increased intensity to serve as reference points.

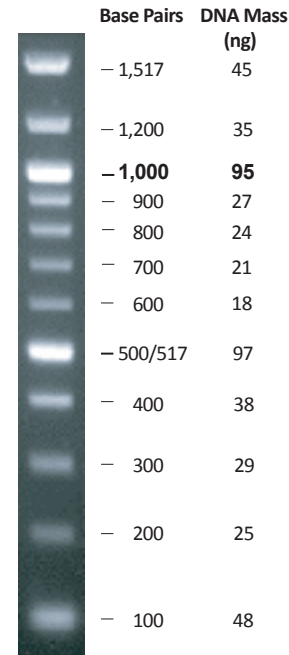
## ★ Recommendations

- Recommended load : 5-10ul
- The iVDye 100bp DNA ladder was not designed for precise quantification of DNA mass, but can be used for approximating the mass of DNA in comparably intense samples of similar size. The approximate mass of DNA in each of the bands in iVDye 100bp DNA ladder is as following picture (assuming a 10ul loading).

## ★ Related Product

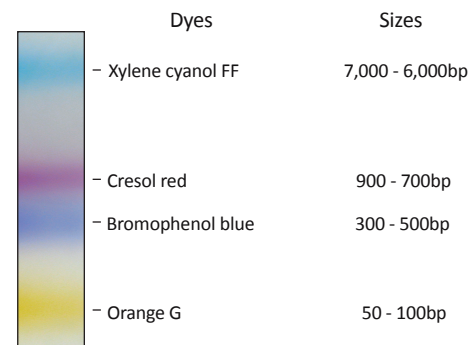
Product Name	Cat No
Agarose, Sepro	A0224-050
1kb PCR Ranger DNA Marker, 75bp-to-20kb	D1109-001
SafePinky DNA Gel Staining Solution (10,000X) in water	S1001-025
iVDye 100bp DNA Ladder	V1002-001
iVDye 1kb DNA Ladder	V1003-001

## ★ Note



10ul of iVDye 100bp DNA ladder stained by ethidium bromide on a 1.2% agarose gel in 1X TBE.

The Four-colors loading dye allows to presume an approximate position of anticipated DNA during Electrophoresis.



On a 1.2% agarose gel in 1X TBE.